

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	175	hansmann.IN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:22
S3	17	hansmann.IN. AND mask	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:22
S4	55	kullik.IN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:26
S5	20	meyer.IN. AND jorg AND uwe	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:27
S6	228	S2 S4 S5	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:28
S7	8	S6 AND electric ADJ (field fields)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:29
S8	5	US-3814094-\$.DID. OR US-4904394-\$.DID. OR US-5595173-\$.DID. OR US-20030005934-\$.DID. OR US-20030016417-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:31
S9	1	US-20030164170-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:34
S10	2	kuo AND huei AND liang.IN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:35
S11	1796	mask AND liang.IN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:35
S12	0	mask AND liang.IN. AND taper ADJ pipe	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:36
S13	7	mask AND taper ADJ pipe	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:36
S14	10871	mask AND electric ADJ fields	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:40
S15	18	mask AND electric ADJ fields AND "128"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:41
S16	2372	mask AND pvdF	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:46
S17	37	mask AND pvdF AND "128"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:47
S18	683	variable WITH flow ADJ resistance	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:51

S19	181	S18 AND (mask filter)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:52
S20	18	S18 AND mask	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:52
S21	8	S18 AND piezo	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 19:53
S22	0	("2008/0196430").URPN.	USPAT	OR	OFF	2009/08/25 19:54
S23	18	("3517811" "4253962" "4279751" "4352570"). PN. OR ("4904394").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 09:14
S24	21	("1198938" "2315651" "3334750" "3491021" "3517811" "3812972" "4234430" "4280909" "4473473" "4904394" "4921612" "4948561"). PN. OR ("5160616").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 09:17
S25	18	("3517811" "4253962" "4279751" "4352570"). PN. OR ("4904394").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 09:20
S26	140	rigidity WITH electric ADJ (field signal)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 09:24
S27	43	S26 and filter	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 09:24
S28	658	filter AND rigidity AND electric ADJ field AND piezo	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 09:49
S29	1543	filter AND rigidity AND electric ADJ field AND piezo\$	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 09:49
S30	5	filter AND rigidity AND electric ADJ field AND piezo\$ AND "128"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 09:50
S31	10549	variable ADJ flow	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 09:52
S32	430	S31 AND mask	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 09:52
S33	2828	S31 AND filter	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 09:52
S34	5194	lamella	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 09:54
S35	140	lamella SAME filter	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 09:54
S36	22	lamella SAME mask	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:03
S37	35916	flow ADJ restrict\$	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:05

S38	2	S37 AND rigidity AND lamella	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:05
S39	620	spring ADJ rigidity	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:32
S40	55	S39 AND filter	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:33
S41	4	S39 AND filter AND electric ADJ (field potential signal)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:33
S42	4	S39 AND mask AND electric ADJ (field potential signal)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:33
S43	4	S39 AND mask AND electric ADJ (fields potential signal)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:34
S44	0	spring ADJ rigidity AND mask and sealing ADJ edge	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:34
S45	1	spring ADJ rigidity AND mask and sealing ADJ edge	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:34
S46	12	spring ADJ rigidity AND filter AND piezo\$	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:35
S47	5	spring ADJ rigidity WITH variable	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:37
S48	13789	exhalation ADJ (vent valve) WITH flaps	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:55
S49	5344	S48 AND "128"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:55
S50	3068	S49 AND mask	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:55
S51	1280	S49 AND mask AND filter	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:55
S52	13	exhalation ADJ (vent valve) WITH flaps	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:56
S53	29	US-2072516-\$.DID. OR US-2230770-\$.DID. OR US-2284949-\$.DID. OR US-2895472-\$.DID. OR US-4536440-\$.DID. OR US-4576196-\$.DID. OR US-D285374-\$.DID. OR US-4630604-\$.DID. OR US-4790306-\$.DID. OR US-4807619-\$.DID. OR US-4827924-\$.DID. OR US-4850347-\$.DID. OR US-4873972-\$.DID. OR US-4934362-\$.DID. OR US-4971052-\$.DID. OR US-5035239-\$.DID. OR US-5050594-\$.DID. OR US-5062421-\$.DID. OR US-5174731-\$.DID. OR US-D347298-\$.DID. OR US-D347299-\$.DID. OR US-5325892-\$.DID. OR US-5394568-\$.DID. OR US-5464010-\$.DID. OR US-5509436-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:57

S54	25	US-5617849-\$.DID. OR US-5687767-\$.DID. OR US-5673690-\$.DID. OR US-5924420-\$.DID. OR US-D412573-\$.DID. OR US-6041782-\$.DID. OR US-6047698-\$.DID. OR US-D424688-\$.DID. OR US-6062221-\$.DID. OR US-6123077-\$.DID. OR US-D431647-\$.DID. OR US-6125849-\$.DID. OR US-6142177-\$.DID. OR US-D443927-\$.DID. OR US-6394090-\$.DID. OR US-6425413-\$.DID. OR US-6463657-\$.DID. OR US-6474513-\$.DID. OR US-6484722-\$.DID. OR US-6494269-\$.DID. OR US-6540573-\$.DID. OR US-6568392-\$.DID. OR US-6604524-\$.DID. OR US-6672565-\$.DID. OR US-6720708-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 11:01
S55	26	US-6721435-\$.DID. OR US-6824117-\$.DID. OR US-6843248-\$.DID. OR US-6854463-\$.DID. OR US-6883518-\$.DID. OR US-6923182-\$.DID. OR US-6959709-\$.DID. OR US-6986365-\$.DID. OR US-7007695-\$.DID. OR US-7013895-\$.DID. OR US-7028689-\$.DID. OR US-7028981-\$.DID. OR US-7069931-\$.DID. OR US-7117868-\$.DID. OR US-7121279-\$.DID. OR US-7131442-\$.DID. OR US-7188622-\$.DID. OR US-20010002041-\$.DID. OR US-20010007284-\$.DID. OR US-20010022194-\$.DID. OR US-20010026626-\$.DID. OR US-20010033673-\$.DID. OR US-20010035220-\$.DID. OR US-20010039156-\$.DID. OR US-20020020721-\$.DID. OR US-20020030068-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 11:02
S56	1	exhalation ADJ (vent valve) WITH strips	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 11:05
S57	0	exhalation ADJ (vent valve) WITH overlap	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 11:05
S58	2	exhalation ADJ (vent valve) WITH overlapping	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 11:05
S59	21	exhalation WITH overlapping	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 11:06
S60	46	exhalation ADJ system	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 12:23
S61	25	S60 and mask	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 12:23
S62	0	128/206.19.ccls	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 12:50
S63	352	128/206.19.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 12:50

S64	61	("20040078869" "20040121107" "3338992" "3341394" "3502763" "3542615" "3692618" "3802817" "3849241" "3953566" "4100324" "4187390" "4215682" "4259748" "4340563" "4374888" "4375718" "4443513" "4592815" "4631933" "4652487" "4655760" "4657802" "4720415" "4781966" "4789699" "4802473" "4818464" "4874659" "4891957" "4965122" "4969457" "4981747" "5020533" "5114781" "5226992" "5244482" "5322061" "5336545" "5383450" "5401466" "5492753" "5493753" "5540976" "5553608" "5681645" "5699791" "5813398" "5927280" "6062220" "6213125" "6412486" "6474336" "6484722" "6520181" "6644314").PN. OR ("7290545").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 12:54
S65	2680	(128/206.21,201.13,203.12,204.13).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 13:27
S66	0	("exhaust WITHflaps").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 13:45
S67	1364	exhaust WITH flaps	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 13:46
S68	29	S67 and mask	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 13:46
S69	220	("0781516" "0812706" "0835075" "1081745" "1192186" "1653572" "1926027" "2008677" "2102037" "2123353" "2248477" "2254854" "2317608" "2371965" "2376871" "2415846" "2438058" "2578621" "2872923" "2931356" "2939458" "3013556" "3162411" "3189027" "3238943" "3315674" "3330273" "3362420" "3363833" "3412231" "3556122" "3580051" "3680556" "3700000" "3720235" "3796216" "3799164" "3868164" "3877425" "3942403" "3958275" "4037142" "4077404" "4167185" "4219020" "4226234" "4245632" "4274406" "4276877" "4304229" "4328797" "4347205" "4354488" "4402316" "4412537" "4440163" "4454881" "4467799" "4522639" "4558710" "4559939" "4580556" "4616647" "4622964" "4648394" "4649912" "4655213" "4665570" "4671271" "4677975" "4677977" "4739755" "4770169" "4774941" "4782832" "4799477" "4809692" "4819629" "4821713" "4841953" "4848334" "4848366" "4907584" "4910806" "4919128" "4938210" "4938212" "4944310" "4971051" "4974586" "4986269" "4989596" "4989599" "5005568" "5005571" "5018519" "5038776" "5042473" "5042478" "5046200" "5046512" "5063922" "5065756" "5069205" "5080094" "5109839" "5109840" "5121745" "5133347" "5140982" "5159938" "5178138" "5231983" "5233978" "5243971" "5265595" "5279289" "5280784" "5297544" "5311862" "5322057" "5343878" "5357951" "5368020" "5372130").PN. OR ("5388571" "5404871" "5419318" "5429126" "5429683" "5431158" "5438981" "5441046" "5477852" "5479920" "5488948" "5492116" "5501214" "5509404" "5517986" "5538000" "5540223" "5542128" "5560354" "5570682" "5570689" "5575277"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 13:59

		"5592938" "5608647" "5642730" "5645049" "5647355" "5647357" "5649532" "5649533" "5655520" "5655527" "5657493" "5657752" "5662101" "5666946" "5685296" "5687715" "5715814" "5732695" "5746201" "5765553" "5813423" "5832918" "5921239" "6006748" "6019101" "6039044" "6135109" "6561190" "6561191" "6668830" "D188084" "D231803" "D250131" "D262322" "D293613" "D310431" "D323908" "D334633" "D362061" "D377089" "RE35339").PN. OR ("7207335").URPN.				
S70	6102	lamella	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/02 15:37
S71	404	S70 AND mask	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/02 15:37
S72	5	US-2524967-\$.DID. OR US-4967744-\$.DID. OR US- 7445320-\$.DID. OR US-5320807-\$.DID. OR US- 8074315-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/02 15:40
S73	35	("0521939" "2432311" "2821192" "3033199" "3327720" "3521629" "3621841").PN. OR ("3789839").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/02 15:51
S74	54921	(overlapping overlap overlapped) WITH (flap lammella strip)	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/02 15:53
S75	58494	(overlapping overlap overlapped) WITH (flap lammella strip membrane)	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/02 15:53
S76	534	S75 AND "128"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/02 15:54
S77	639509	S76 (mask hood respirator)	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/02 15:54
S78	97	S76 AND (mask hood respirator)	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/02 15:54
S79	2777	(128/206.21,201.13,203.12,204.13).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/02 15:57
S80	2163	electric SAME current SAME rigidity	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/02 16:24
S81	0	S80 and "128"/\$.ccls	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/02 16:25
S82	5	S80 and "128"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/02 16:25
S83	9	halloween ADJ mask	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 17:55
S84	0	mouth ADJ covering ADJ flaps	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 17:56
S85	6	mouth ADJ covering with flaps	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 17:56

S86	5	("2070241").URPN.	USPAT	OR	OFF	2010/03/10 17:57
S87	118	("0217691" "0302949" "0346367" "0374831" "0379042" "0440713" "0533127" "0590376" "0731973" "0733027" "0756354" "0812706" "1007644" "1221387" "1671010" "1695170" "1998327" "20020170557" "2029129" "2070241" "2164330" "2238964" "2344669" "2381568" "2432946" "2445347" "2843119" "2848994" "2888012" "2893397" "2931356" "2985169" "3027896" "3124124" "3182659" "3232292" "3490452" "3491755" "3556122" "3707966" "3889671" "4002167" "4016878" "4071026" "4080664" "4470412" "4546768" "4573463" "4637387" "4705033" "4722334" "4770169" "4809692" "4811730" "4819628" "4832015" "4850346" "4858605" "4865027" "4886055" "4938209" "5012803" "5012804" "5062423" "5109839" "5186165" "5231982" "5311862" "5497765" "5535741" "5586551" "5645049" "5730722" "5765553" "5881718" "5954049" "5988160" "6192876" "6206003" "D388873").PN. OR ("7004162").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 17:58
S88	4182	overlapping ADJ (flaps membranes rectangles sheets)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 17:58
S89	467	S88 AND (filter mask respirator)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 17:58
S90	50	("0374831" "0440713" "1007644" "1671010" "1998327" "2164330" "2381568" "2432946" "2848994" "2931356" "2985169" "3182659" "3232292" "3490452" "4470412" "4809692" "4832015" "4850346" "4865027" "4938209" "5109839" "5645049").PN. OR ("5988160").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 18:06
S91	10	("440713").URPN.	USPAT	OR	OFF	2010/03/10 18:16
S92	50	("0374831" "0440713" "1007644" "1671010" "1998327" "2164330" "2381568" "2432946" "2848994" "2931356" "2985169" "3182659" "3232292" "3490452" "4470412" "4809692" "4832015" "4850346" "4865027" "4938209" "5109839" "5645049").PN. OR ("5988160").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 18:18
S93	75	("1268696" "1359631" "1975797" "2005072" "2008677" "2029129" "2070241" "2102037" "2108256" "2112213" "2114358" "2160317" "2164330" "2181026" "2238964" "2295296" "2304798" "2359506" "2381568" "2893387" "3474783").PN. OR ("4974586").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 18:26
S94	6345	plurality NEAR3 flaps	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 18:31
S95	78	S94 AND (mask respirator)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 18:31
S96	0	("2003/0145858").URPN.	USPAT	OR	OFF	2010/03/10 18:38
S97	1	(10/072280).APP.	USPAT; USOCR	OR	OFF	2010/03/10 18:38

S98	22	("0893213" "0925409" "1150991" "1562302" "2039681" "4240420" "4606341" "4951662" "5307796" "5331957" "5406944" "5584078" "5699792" "5842470" "6584976").PN. OR ("6718981").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 18:38
S99	0	("2127620").URPN.	USPAT	OR	OFF	2010/03/10 18:41
S100	1	("20030091433").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 18:41
S101	1	(10/001003).APP.	USPAT; USOCR	OR	OFF	2010/03/10 18:42
S102	16	("3807444" "4691623" "5167574" "5890959" "6011689" "6031717" "6135875" "6174232").PN. OR ("6705833").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 18:42
S103	0	(06/898960).APP.	US-PGPUB; USOCR	OR	OFF	2010/03/10 18:43
S104	22	("2764078" "3392654" "4345510" "4407187" "4524805").PN. OR ("4691623").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 18:43
S105	293	(checkvalve check ADJ valve) WITH (overlap overlapping lamella)	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/10 18:45
S106	9	S105 and mask	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/10 18:45
S107	1945	plurality NEAR3 (check ADJ valve)	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/10 18:55
S108	401	S107 AND (mask filter respirator)	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/10 18:55
S109	43	S107 AND (mask respirator)	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/10 18:55
S110	136	overlapping ADJ ribbons	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/10 18:57
S111	12	S110 AND (mask filter respirator)	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/10 18:58
S112	3	("2811967").URPN.	USPAT	OR	OFF	2010/03/10 18:59
S113	67	exhaust ADJ flaps	USPAT	OR	OFF	2010/03/10 19:00
S114	2	expiration ADJ flaps	USPAT	OR	OFF	2010/03/10 19:02
S115	14431	variable ADJ resistance	USPAT	OR	OFF	2010/03/10 19:03
S116	117	S115 AND "128"/\$.ccls.	USPAT	OR	OFF	2010/03/10 19:03
S117	1	("5630866").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/11 10:27

EAST Search History (Interference)

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